

NAKAMOTO et al., 10/689,594  
25 July 2005 Amendment  
Responsive to 23 March 2005 Office Action

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 12. (Cancel)

13. (new) A sample processing apparatus comprising:

a main unit comprising at least one processing chamber in which a sample is disposed and processed;

a recording device which records information of an operation in the main unit as predetermined data, the recording device records information including a plurality of time sequence data corresponding to signals concerned with operations of a plural portions of the main unit which are output during the operation of the main unit; and

a display unit which displays at least one information selected by an user from among the information recorded as the predetermined data in the recording device and an information about an abnormality occurred during the operation of the main unit, wherein both the information selected by the user and the information about the abnormality is displayed on the display unit synchronously.

14. (new) A sample processing apparatus according to claim 13, wherein the recording device records information concerned with the abnormality involving content and timing data.

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15. (new) A sample processing apparatus according to claim 13, wherein the recoding device records information concerned with the abnormality involving content and timing data, and information including a plurality of time sequence data corresponding to signals concerned with input to or output from a plural portions of the main unit.

16. (new) A sample processing apparatus according to claim 13 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

17. (new) A sample processing apparatus according to claim 14 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

18. (new) A sample processing apparatus according to claim 15 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

19. (new) A sample processing apparatus according to claim 13, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

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20. (new) A sample processing apparatus according to claim 14, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

21. (new) A sample processing apparatus according to claim 15, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

22. (new) A sample processing system comprising:

a sample processing apparatus located at a business location, the sample processing apparatus including:

a main unit comprising at least one processing chamber in which a sample is disposed and processed;

a recording device which records information of an operation in the main unit as predetermined data, the recording device records information including a plurality of time sequence data corresponding to signals concerned with operations of a plural portions of the main unit which are output during the operation of the main unit; and

a display unit which displays at least one information selected by an user from among the information recorded as the predetermined data in the recording device and an information about an abnormality occurred during the operation of the main unit, wherein both the information selected by the user and the information about the abnormality is displayed on the display unit synchronously, and

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an off-site display unit which displays at least one information selected by an off-site user from among the information recorded as the predetermined data in the recording device and an information about an abnormality occurred during the operation of the main unit, wherein both the information selected by the off-site user and the information about the abnormality is displayed on the off-site display unit synchronously.

23. (new) A sample processing system according to claim 22, wherein the recording device records information concerned with the abnormality involving content and timing data.

24. (new) A sample processing system according to claim 22, wherein the recording device records information concerned with the abnormality involving content and timing data, and information including a plurality of time sequence data corresponding to signals concerned with input to or output from a plural portions of the main unit.

25. (new) A sample processing system according to claim 22 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

26. (new) A sample processing system according to claim 23 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

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27. (new) A sample processing system according to claim 24 wherein the display unit displays a part of the information designated by the user from among the information recorded in the recording device.

28. (new) A sample processing system according to claim 22, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

29. (new) A sample processing system according to claim 23, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

30. (new) A sample processing system according to claim 24, wherein the display unit displays a part of the information corresponding to a period designated by the user from among the information recorded in the recording device.

31. (new) A sample processing method comprising:  
disposing and processing a sample at least one processing chamber in a main unit;  
recording information of an operation in the main unit as predetermined data, including a plurality of time sequence data corresponding to signals concerned with operations of a plural portions of the main unit which are output during the operation of the main unit; and

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displaying at least one information selected by an user from among the information recorded as the predetermined data in the recording device and an information about an abnormality occurred during the operation of the main unit, wherein both the information selected by the user and the information about the abnormality is displayed on a display unit synchronously.

32. (new) A sample processing method according to claim 31, wherein the recording records information concerned with the abnormality involving content and timing data.

33. (new) A sample processing method according to claim 31, wherein the recoding records information concerned with the abnormality involving content and timing data, and information including a plurality of time sequence data corresponding to signals concerned with input to or output from a plural portions of the main unit.

34. (new) A sample processing method according to claim 31 wherein the displaying displays a part of the information designated by the user from among the information recorded in a recording device.

35. (new) A sample processing method according to claim 32 wherein the displaying displays a part of the information designated by the user from among the information recorded in a recording device.

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36. (new) A sample processing method according to claim 33 wherein the displaying displays a part of the information designated by the user from among the information recorded in a recording device.

37. (new) A sample processing method according to claim 31, wherein the displaying displays a part of the information corresponding to a period designated by the user from among the information recorded in a recording device.

38. (new) A sample processing method according to claim 32, wherein the displaying displays a part of the information corresponding to a period designated by the user from among the information recorded in a recording device.

39. (new) A sample processing method according to claim 33, wherein the displaying displays a part of the information corresponding to a period designated by the user from among the information recorded in a recording device.

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